subject to comprehensive safety re views. The Atomic Energy Regula tory Board (AERB) reviews the safety- aspects of operating nuclear power plants from time to time be fore authorising continued operation.

Finding of Kaiga Nuclear Accident

1337. SHRI TRILOKI NATH CHATURVEDI:
DR. MURLI MANOHAR JOSHI:

Will the PRIME MINISTER be pleased to state:

(a) whether Government have completed the enquiry of the col!-apse of concrete dome of Kaiga Nu-ceiar Power Plant and if so. what are the findings and what is the climated loss-

(b) when wa_s the plan* originally scheduled to be completed and by when it is now expected to be commissioned;

(c) what was the original cost of the project and what will be the revised cost; and

nil whether AERB is systematically going into the safety measures of all the atomic power plants, if so, what are the findings a id if not, whether Government propose to under lake such a study and if so, by when?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI): (a) The Committees of Experts constituted by Nuclear Power Corporation of India Limited (NPCIL) and Atomic Energy Regulatory Board (AERB) in connection with failing of a inner portion of of concrete from the unfder surface of inner- containment dome of reactor building of Kaig Unit-1 are yet to submit their reports. The indicative loss on account of the incident is of the order of Rs, 2.5 Crore. The exact loss due to this incident., and the cost of reconstruction of the dome will b_e known after the Committees inquiring into the causes for the failure of the dome submit their reports.

(b) Unit-1 of Kaiga Plant was originally scheduled to achieve cri_ ticality in June 1996 and Unjt-2 in December, 1995. After a mid terra review the Schedule was revised to June 1996 and December 1936 respectively. No revision in the schedules is envisaged as of now due to the dome incident as rehabilitation of the dome is proposed to be taken up simultaneously with the other work^.

(c) The original cost of the pro ject as sanctioned in June 1987 which did not contain the of Interest During Construction (IDC) is Rs. 730.72 Crore. The revised cost estimates for the project have been proposed at Rs. 2275 Crore including a sum of Rs. 685 Crore being the IDC. There i_s no proposal to make a review of the cost estimates on account of the dome incident which took place on May 13. 1994.

(d) The AE.RB has set up *a* multi-tier review procedure to enforce safe'y measures in all the atomier plants. The radiation doses to workers in the nuclear power plants are well within the limits stipulated b- the AERB.

Th--\se does not measured by the Health Physics Unit attached to each power station. Regular report* fr»m tho«e units are received by the AFRB. The radioactive releases from the nuclear power stations are monitored regularly to ensure that they are within permissible limits.

Enviroment Survey Laboratories outside the exclusion zone of each nuclear power station routinely collect and measure the radioactivity concerntrations in lions in! samples of food. air. wa*er upto 30 kms. from the power station. The radiation dose to population in the vicinity of

the nuclear power stations Is too small to be measured. The estimated values are well within the dose limites prescribed by the AERB for members of the public

Review of safety status and en, forcement of safely measures is a continuing process and the AERB is performing these tasks a$_s$ per the statutory requirements.

Kakrapar Atomic Power Station affected by flood waters

1338 SHRI VIREN J. SHAH; Will the FRIME MINISTER be pleased to state:

(a) whether it is a fact that flood water$_s$ had entered the turbine room of the Kakrapar Atomic Power Station in Gujarat which badly affected the plant;

(b) if so$_1$ what is the extent of the damage and what safetv measures were taken;

(c) by when and at what approximate cost the necessary repairs will be carried out in the plant;

(d) by when the plant will ha recommissioned;

(e) what will be the extent of loss due to the non-working of the plant; and

(f) what steps Government have already taken or propose to take to obviate the chances of such reeurrence in future?

THE MINISTER OF STATE IN THE PRIME MINISTERS OFFICE (SHRI BHUVNESH CHATURVEDI): (a) and (b) On June 16, 1994, due to very havey rains in Kakrapar area the water level in the Mothicher lake from where the make up cooling water for the Kakrapar Atomic Power Project is being taken, started rising alarmingly and due to inadequate outflow of water, the flood waters entered the piant sorroundings and the basement of the turbine buildings of the Project. There was no major damage to the plant and equipment installed in the basement of the turbine buildings. Some equipment like motors located in the basement were affected. Dewatering of turbine building basement and rehabilitation of the affected equipment have since been completed.

(c) to (e) Kakrapar Atomic Powes Station consists of two units of 220M We each. Unit-i of the plant was already under planned shutdown at the time of flooding. The unit is expected to be foack on line after completing planned shutdown maintenance jobs shortly. Unit-Z is due for commissioning shortly. The rehabilitation jobs did not involve any maior expenditure and were carried out as part of regular maintenance jobs. As such there is no loss due to the non-working of the Z units at Kakrapar.

(f) Nuclear Power Corporation of India Ltd. has already taken up the matter with the Irrigation Department of the Govt, of Gujarat for continuous monitoring of the water level in the Kakrapar weir during monsoon and to take prompt action to avoid recurrence of such flooding in future. All possible preventive actions for avoiding overflow of water into the Plant site have also been taken.

Safety aspect of nuclear reactor's

1339 MISS SAROJ KHAPARDE: ,Will the PR1MB MINISTER be plea- sed to state:

(a) whether all the Nuclear Reactors working in India at present are safe;

(b) if so, the details thereof;